

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Appln. No: To be Assigned  
Applicant: Joseph H. End, III  
Filed: Herewith  
Title: DUAL ACTIVE BANK MEMORY CONTROLLER  
TC/A.U.:  
Examiner:

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

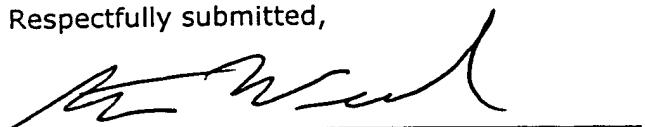
Pursuant to 37 C.F.R. §§ 1.97 and 1.98 and to the duty of disclosure set forth in 37 C.F.R. § 1.56, the Examiner in charge of the above-identified application is requested to consider and make of record the references listed on the PTO 1449 submitted herewith. A copy of each of the listed references is also enclosed.

Although the information submitted herewith may be "material" to the Examiner's consideration of the subject application, this submission is not intended to constitute an admission that such information is "prior art" as to the claimed invention.

In accordance with 37 C.F.R. § 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made.

This Information Disclosure Statement is being filed concurrently with the above-referenced application.

Respectfully submitted,



Stephen J. Weed, Reg No. 45,202  
Attorney for Applicant

Enclosures: PTO Form 1449  
(4) References

Dated: July 17, 2003

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**Substitute for Form 1449/PTO**

## **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

*(Use as many sheets as necessary)*

SHEET 1 of 1

**Complete if Known**

Application Number	Not Yet Known
Filing Date	Concurrently Herewith
First Named Inventor	Joseph H. End III
Art Unit	
Examiner Name	
Attorney Docket No.	TN302

## U.S. PATENT DOCUMENTS

## FOREIGN PATENT DOCUMENTS

Examiner Signature \_\_\_\_\_ Date Considered \_\_\_\_\_

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

**1Applicant's unique citation designation number (optional).**

<sup>2</sup>See Kind Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04.

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\*For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

**5**Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible.

**6** Applicant is to place a check mark here if English language translation is attached.  
If the information is attached, see **BB-GSR-1-27** and **1-28**. The information is

The collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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